Attorney: Kenneth D'Alessandro Sierra Patent Group, Ltd.

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10 18 nldd a'Shw p-well BLUE PHOTON COLLECTION 0.6µm 16 n-well 2µm 14 p-substrate RED PHOTON COLLECTION <u>12</u>

FIG. 1

Title: VERTICAL COLOR FILTER DETECTOR GROUP AND ARRAY

Docket No.: FOV-053

Attorney: Kenneth D'Alessandro Sierra Patent Group, Ltd.

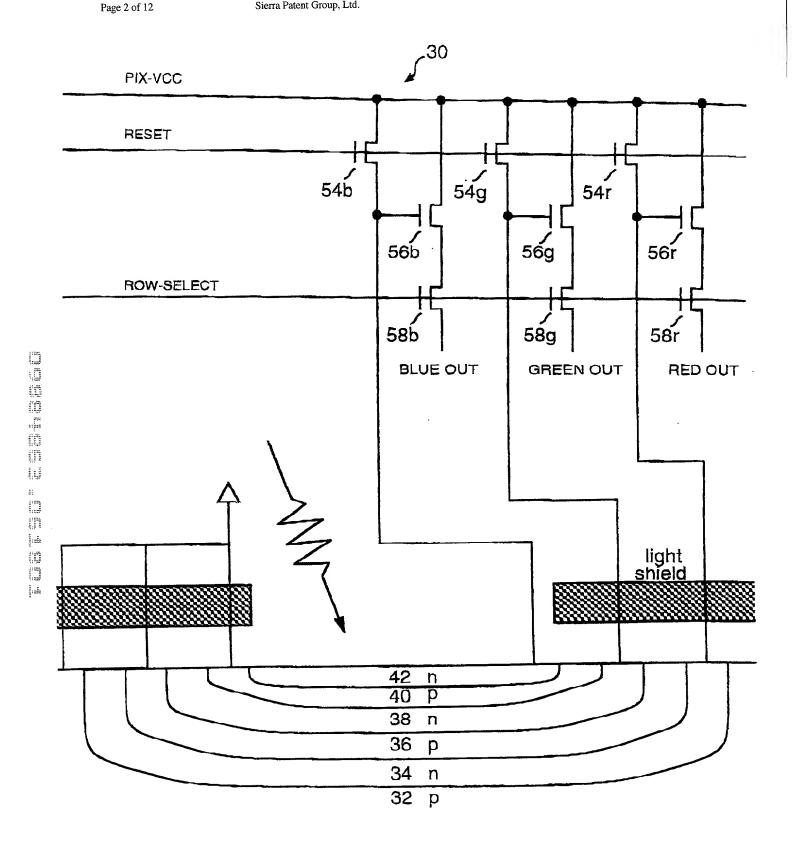


FIG. 2A

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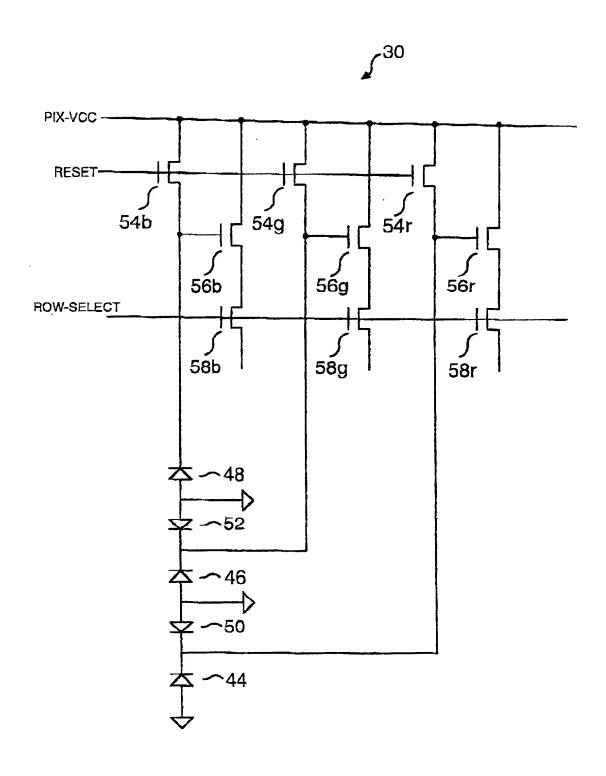
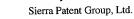
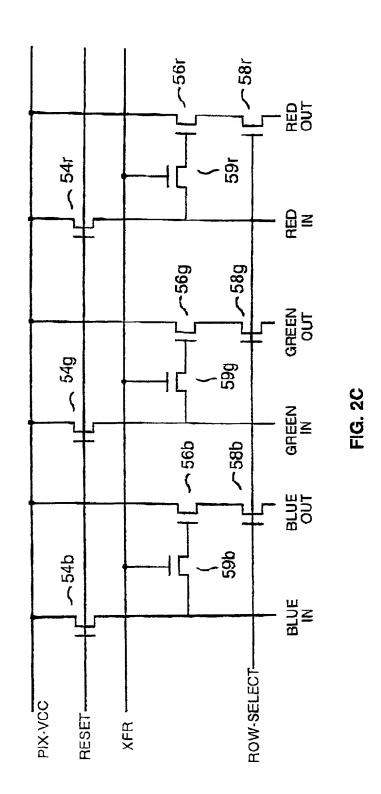


FIG. 2B

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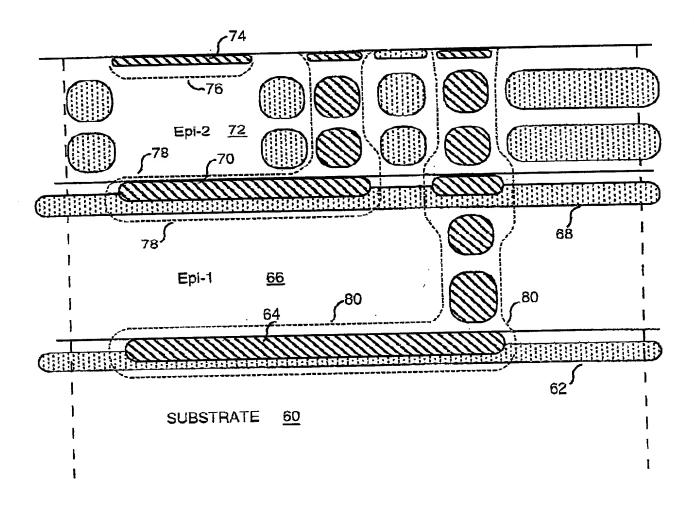


FIG. 3

Express Mailing No. ET161057602US

Inventor: Richard B. Merrill

Title: VERTICAL COLOR FILTER DETECTOR GROUP AND ARRAY

Docket No.: FOV-053

Attorney: Kenneth D'Alessandro Sierra Patent Group, Ltd.

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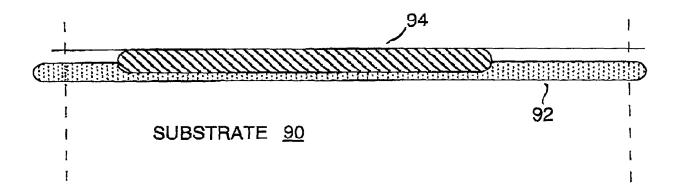


FIG. 4A

Inventor: Richard B. Merrill

Title: VERTICAL COLOR FILTER DETECTOR GROUP AND ARRAY

Docket No.: FOV-053

Attorney: Kenneth D'Alessandro Sierra Patent Group, Ltd.

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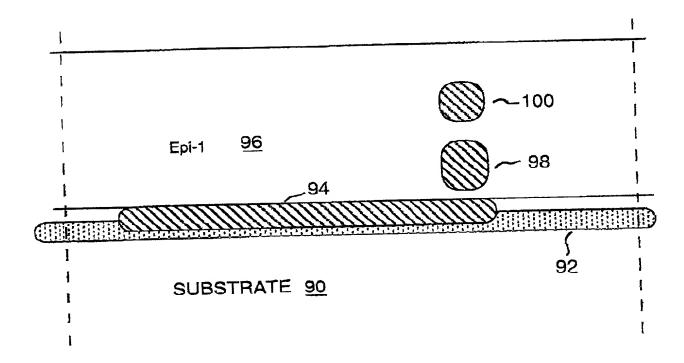


FIG. 4B

Inventor: Richard B. Merrill

Title: VERTICAL COLOR FILTER DETECTOR GROUP AND ARRAY

Docket No.: FOV-053

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Attorney: Kenneth D'Alessandro Sierra Patent Group, Ltd.

102ر 104 106 100 <u>96</u> Epi-1 98 94 92 SUBSTRATE 90

FIG. 4C

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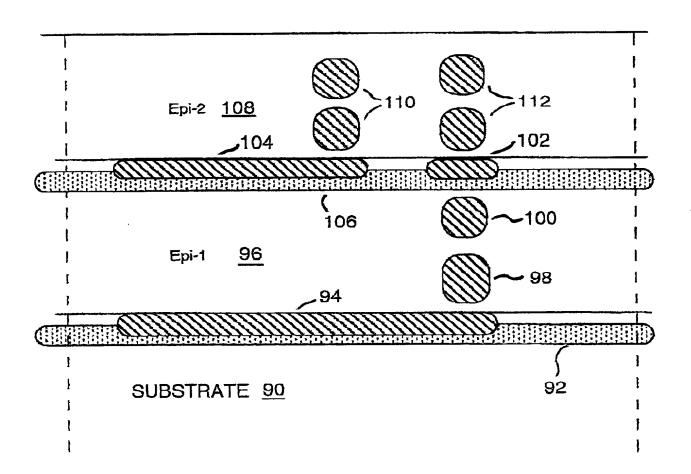


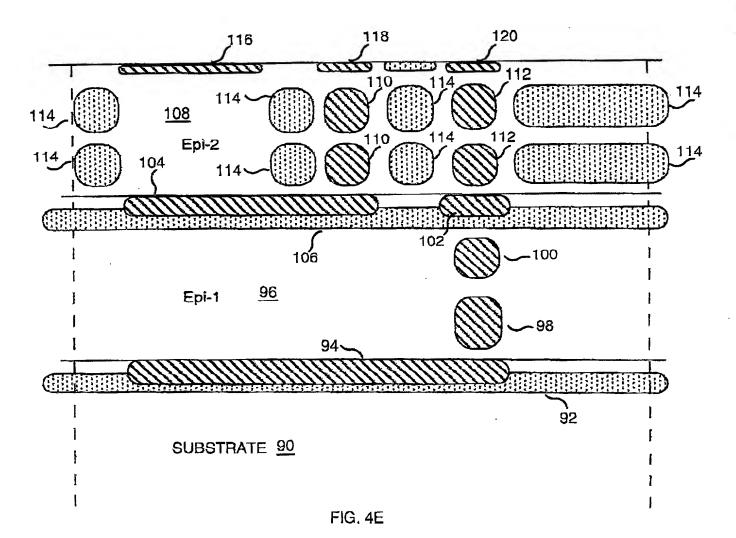
FIG. 4D

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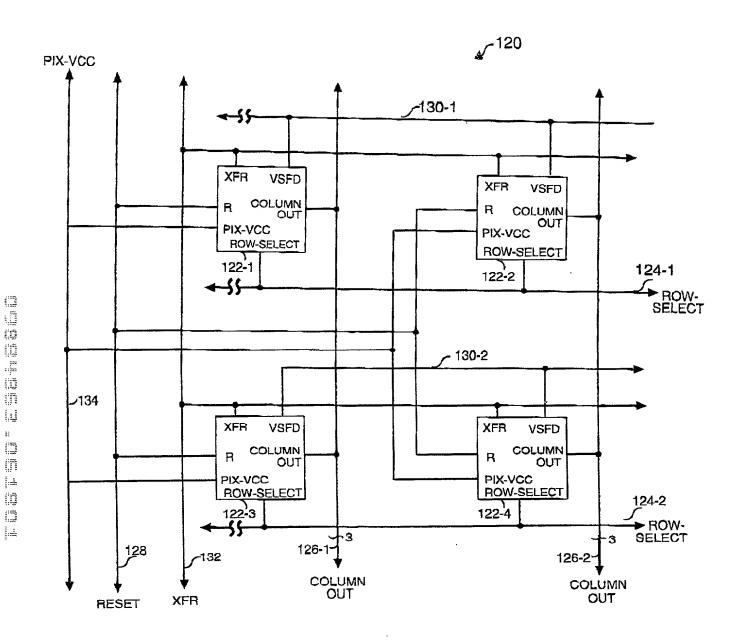


FIG. 5

Express Mailing No. ET161057602US

Inventor: Richard B. Merrill

Title: VERTICAL COLOR FILTER DETECTOR GROUP AND ARRAY

Docket No.: FOV-053

Attorney: Kenneth D'Alessandro Sierra Patent Group, Ltd.



